

FIG. 1

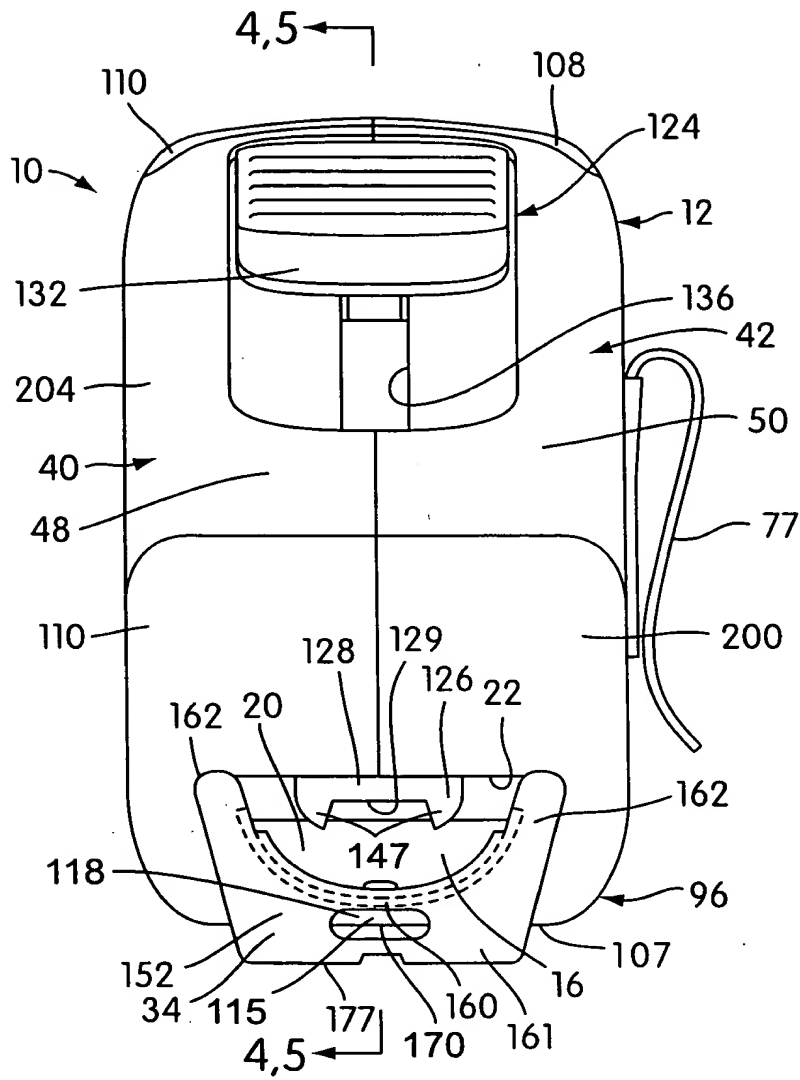


FIG. 2

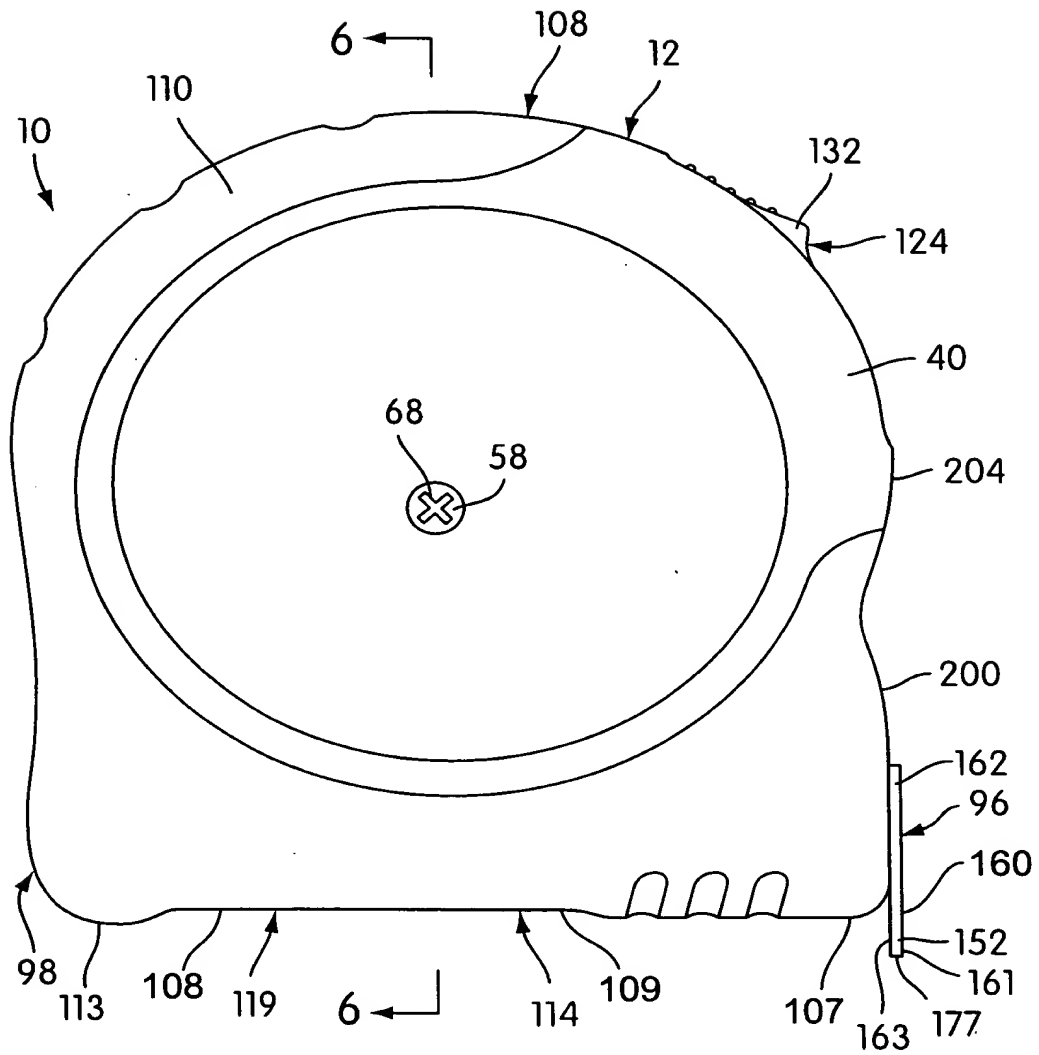


FIG. 3

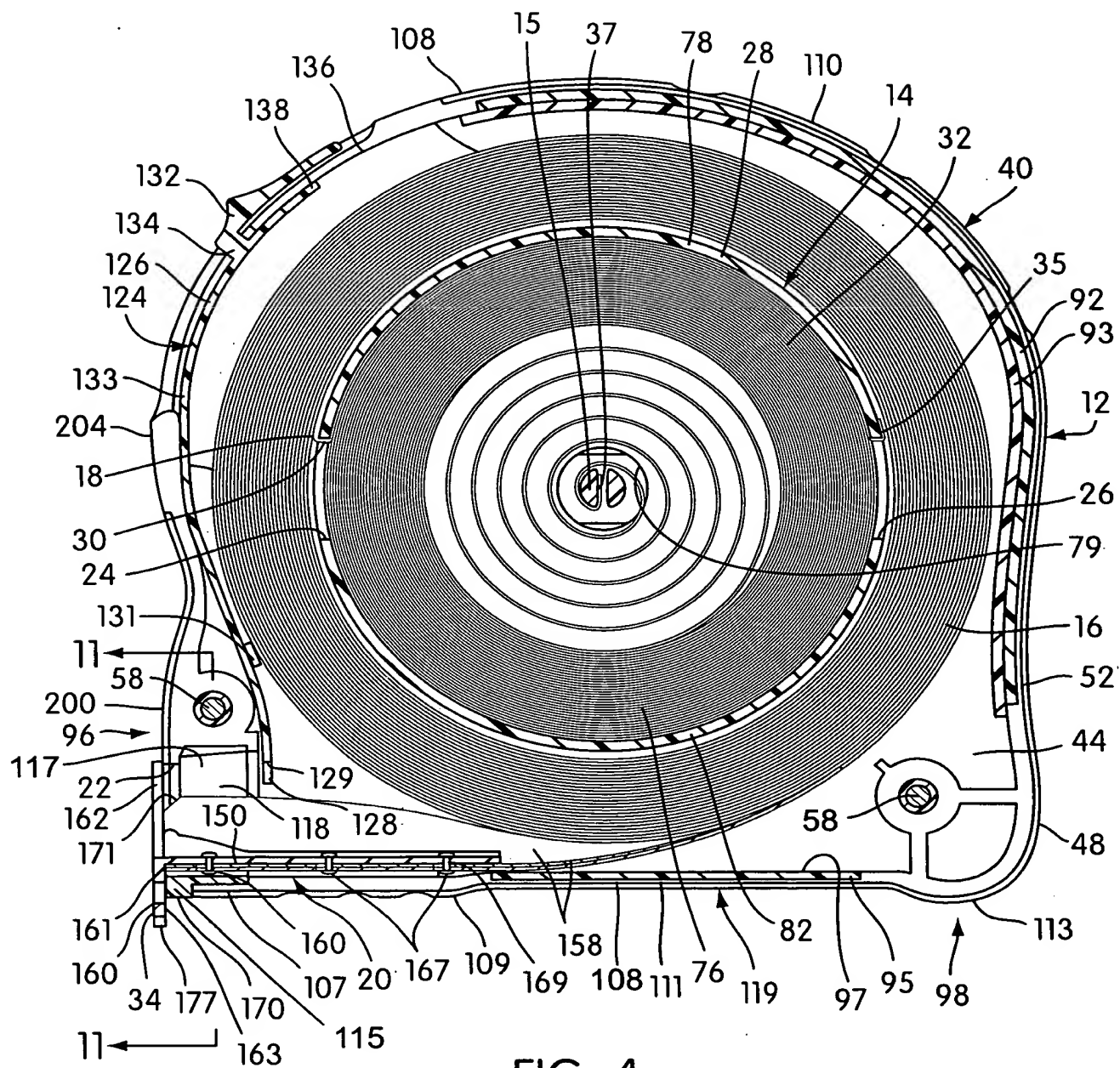


FIG. 4

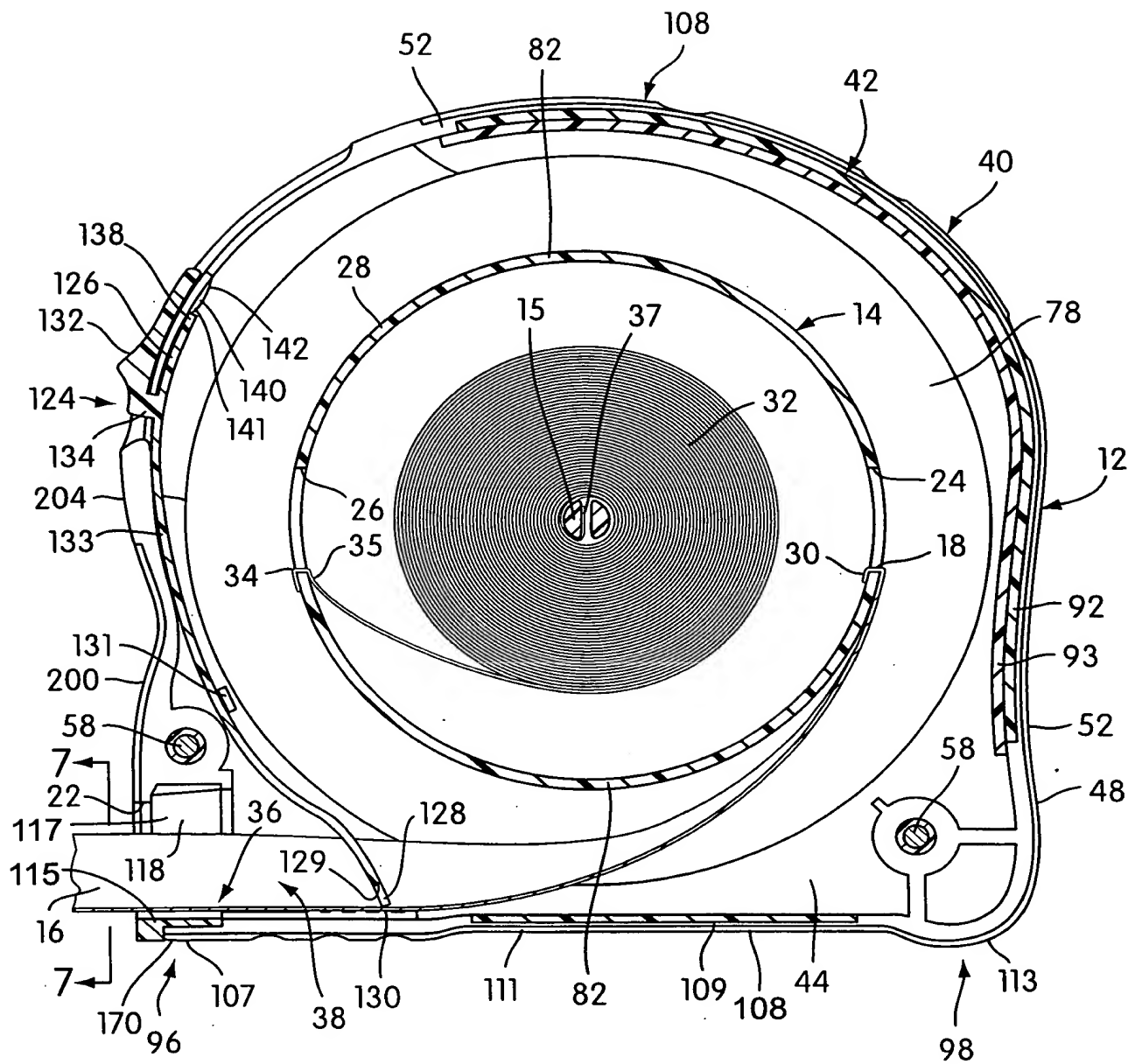


FIG. 5

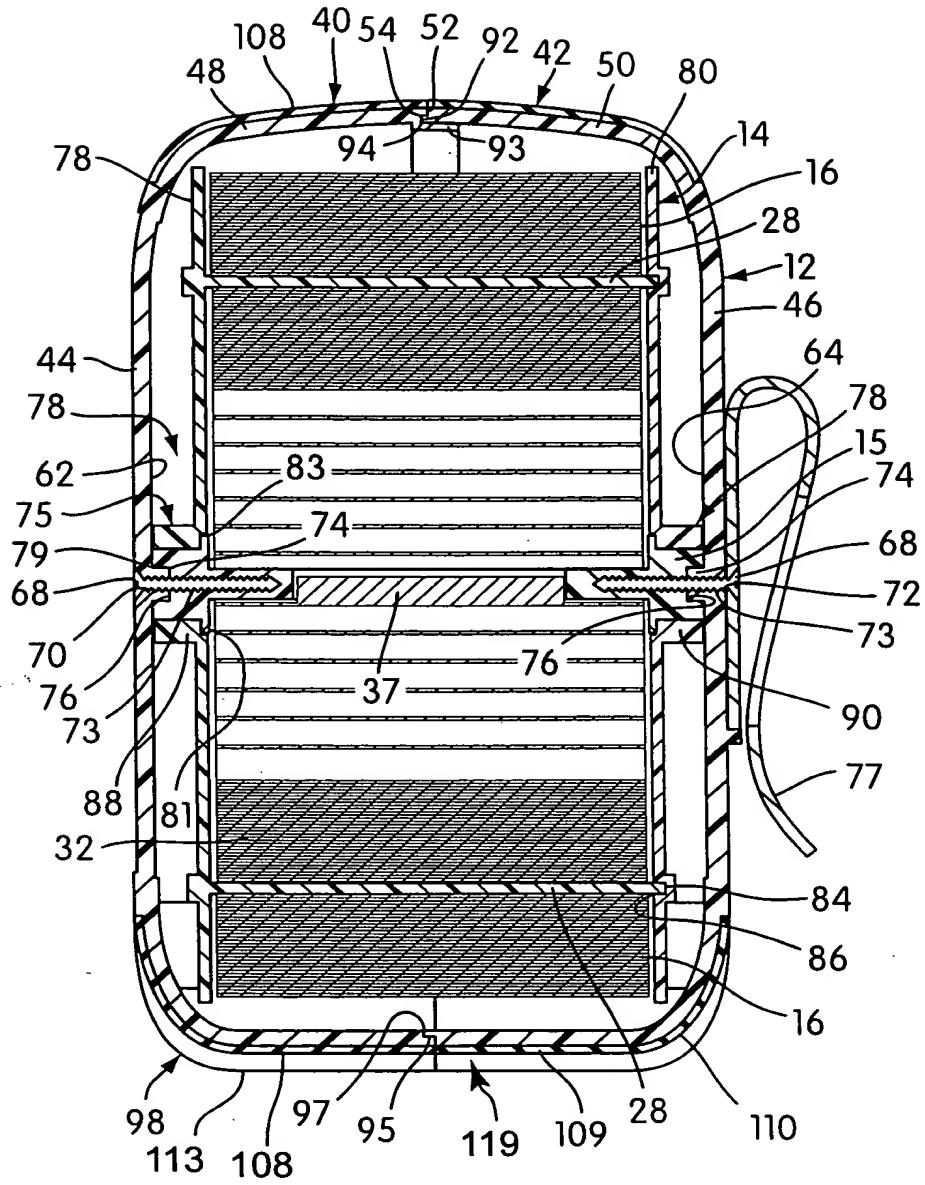
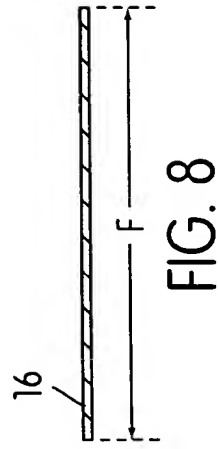
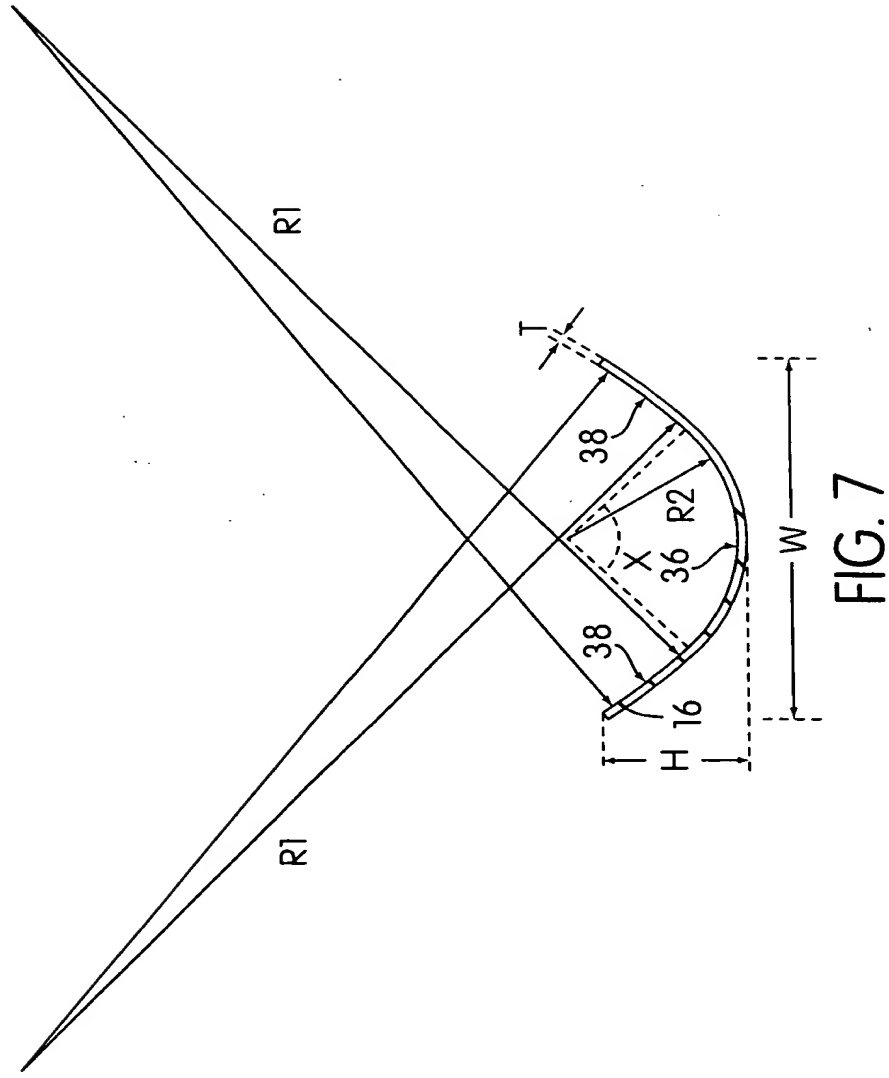


FIG. 6



*BLADE / SPRING WIDTH (IN)	*BLADE / SPRING THICKNESS (IN)	"ARCULATE" LENGTH-OUT "C" (IN / FT) [RANGE +/- 6 (IN)]	***[LINEAR LENGTH-OUT "B" (IN) [RANGE +/- 3%]	TAPE RULE REQUIRED HEIGHT TO ACHIEVE FULL BLADE EXTENSION "A" (IN) [RANGE +/- 3%]	PERCENT LINEAR TO ARCULATE LENGTH-OUT	MAXIMUM TAPE RULE ROTATION ANGLE "D" AT FULL EXTENSION (DEGREES)
1.000 / 0.875	0.0045 / 0.0051	84 / 7 FT	79	23	94%	>45
1.000 / 0.875	0.0051 / 0.0056	84 / 7 FT	80	22	95%	>45
1.000 / 0.875	0.0051 / 0.0056	96 / 8 FT	86	40	90%	>45
1.000 / 0.875	0.0056 / 0.0060	84 / 7 FT	81	18	96%	>45
1.000 / 0.875	0.0056 / 0.0060	96 / 8 FT	91	31	95%	=/<35
1.000 / 0.875	0.0056 / 0.0060	108 / 9 FT	93	53	86%	=/<25
1.250 / 1.250	0.0051 / 0.0051	84 / 7 FT	83	5	99%	>45
1.250 / 1.250	0.0051 / 0.0051	96 / 8 FT	95	8	99%	>45
1.250 / 1.250	0.0051 / 0.0051	108 / 9 FT	107	17	99%	>45
1.250 / 1.250	0.0051 / 0.0051	120 / 10 FT	119	30	99%	>45
1.250 / 1.250	0.0051 / 0.0051	132 / 11 FT	129	38	98%	>45

PRIOR ART

* BLADE WIDTH MEASURED IN FLAT FORM OR ARCULATE PERIMETER OF THE CROSS SECTION

** RAW STEEL THICKNESS WITHOUT COATING(S)

*** ACTUAL UTILITY OF TAPE BLADE STANDOUT

**** ROTATION ANGLE REQUIRED WHEN MEASURING VERTICAL POINTS ABOVE HORIZONTAL PLANE OF BLADE TIP

FIG. 9

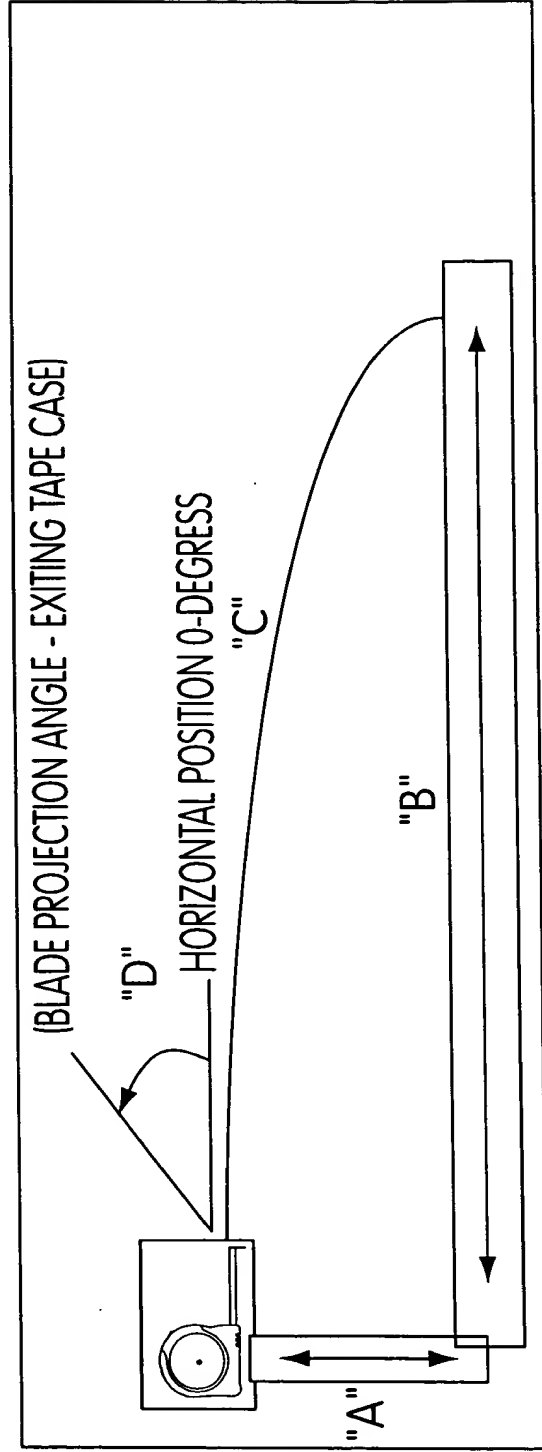


FIG. 10

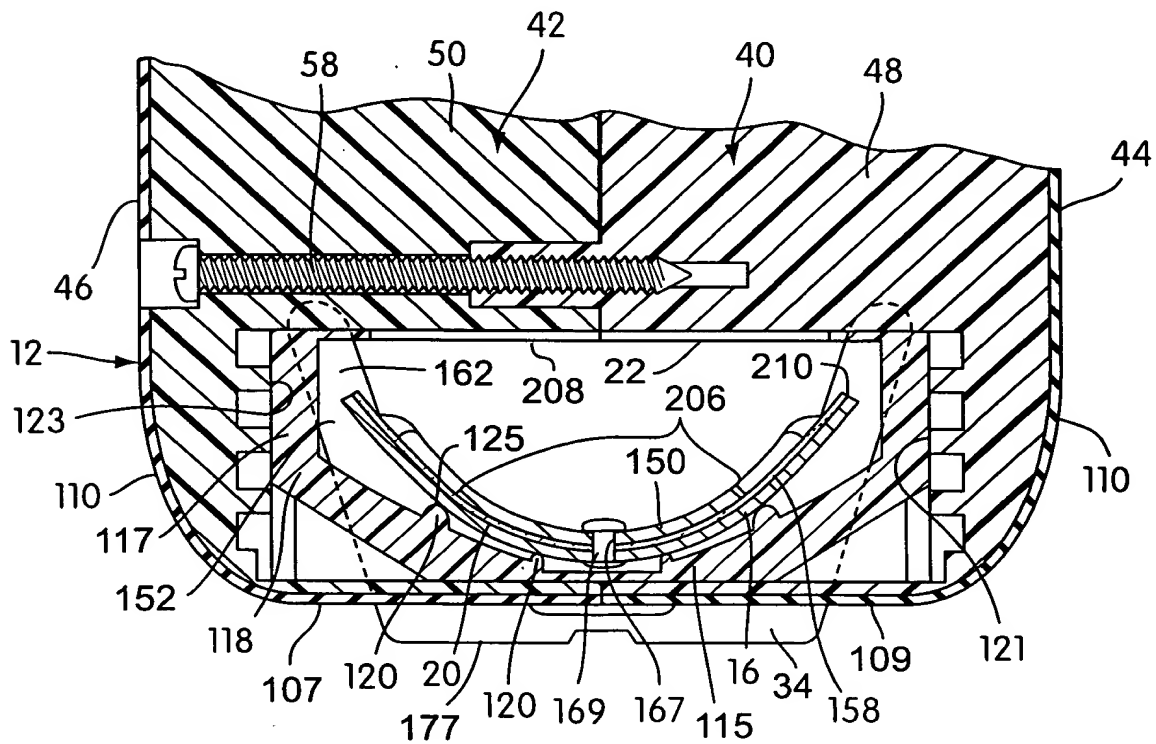


FIG. 11